

DRAFT Data Assessment Team (DAT) Conference Call Notes
1/19/2017 at 11:00 a.m.

Participants: Norman Lee and Farida Islam (DWR), Geir Aasen, and Trishelle Morris (DFW), RG Fernando, David Fullerton, and Owen Lu (MWD), Josh Gruber (FWS), Lucinda Shih (CCWD), , Barb Byrne (NMFS)

Sacramento River Fish Monitoring

Preliminary Rotary Screw Trap (RST) Report				
Species*	FWS Red Bluff Diversion Dam RST (Estimated Passage)	Glenn-Colusa Irrigation District (GCID) RST (Catch)	DFW Tisdale Weir RST (Catch)**	DFW Knights Landing RST (Catch)
Date	1/1/17-1/14/17		1/1/17-1/17/17	1/3/17-1/17/17
CHNF	1,070,605		575	2,048
CHNLF	0		0	1
CHNW	1138		4	14
CHNS	777		39	28
Ad-Clipped CHN			4	10
SH	0		0	0
Ad-Clipped SH			7	4
GST			Not Reported	Not Reported
*Chinook race based on length (Frank Fisher model); CHNF=Fall run, CHNLF=Late-fall run, CHNW=Winter run, CHNS= Spring run, SH = Steelhead, GST= Green Sturgeon. Species are unmarked unless noted as adipose-fin clipped (ad-clipped). Data subject to revision.				
** Numbers represent observations and are not expanded to represent estimated passage.				

GCID: On 1/4/2017, cone was checked and lifted at 9:00 PM due to predicted high flows and heavy debris. No Update since then.

Graphical summaries of the monitoring data collected at the Sacramento River and at other locations can be found at <http://www.water.ca.gov/swp/operationscontrol/calfed/calfedmonitoring.cfm>. In addition, the biweekly passage reports of juvenile salmonids sampled at the Red Bluff Diversion Dam are available at http://www.fws.gov/redbluff/rbdd_biweekly.aspx.

Delta Fish Monitoring update provided from data received from Jon Speegle (FWS):

Preliminary FWS Trawl and Seine Catch Report from 1/8/17 to 1/14/17				
Species*	Beach Seines	Mossdale Trawl	Sacramento Trawl	Chipps Island Trawl
CHNF	67	35	39	
CHNLF				
CHNW	1			
CHNS	5		1	
Ad-Clipped CHN			1	2
SH				
Ad-Clipped SH				
DSM				1
LFS				4
SPLT	1			5
*Chinook race based on length (Frank Fisher model); CHNF=Fall run, CHNLF=Late-fall run, CHNW=Winter run, CHNS= Spring run, SH = Steelhead, DSM=Delta Smelt, LFS=Longfin Smelt, SPLT = Splittail. Species are unmarked unless noted as adipose-fin clipped (ad-clipped). Data subject to revision.				

Information about the Delta fish monitoring data from FWS can be found at <http://www.fws.gov/stockton/jfmp/>.

The following update is provided by Geir Aasen(DFW) for the period from 1/9/2017 to 1/15/2017:

Large unknown race Chinook Salmon (NON adipose clipped) were salvaged at the state facility (weekly salvage= 4), but not at the federal facility for the period of reporting.

Fall run sized Chinook Salmon (adipose clipped) were salvaged at the federal (weekly salvage= 16) and state (weekly salvage= 6) facilities for the period of reporting.

Late fall run sized Chinook Salmon (adipose clipped) were salvaged at the federal (weekly salvage= 36) and state (weekly salvage= 37) facilities for the period of reporting.

Winter run sized Chinook Salmon (adipose clipped) were salvaged at the federal (weekly salvage= 40) and state (weekly salvage= 79.5) facilities for the period of reporting.

Fall run sized Chinook Salmon (NON adipose clipped) were salvaged at the federal (weekly salvage= 1024) and state (weekly salvage= 11) facilities for the period of reporting.

Late fall run sized Chinook Salmon (NON adipose clipped) were salvaged at the state facility (weekly salvage= 4), but not at the federal facility for the period of reporting.

The seasonal (10/1/2016 to present) salvage totals of all Chinook Salmon at the federal facility are 585 adipose clipped (loss= 406) and 1120 NON adipose clipped (loss= 653). See attached reports.

The seasonal (10/1/2016 to present) salvage totals of all Chinook Salmon at the state facility are 373.5 adipose clipped (loss= 1633) and 99 NON adipose clipped (loss= 90). See attached reports.

STEELHEAD

No Steelhead were salvaged at either facility for the period of reporting.

The seasonal (10/01/2016 to present) salvage totals of Steelhead at the state facility are zero adipose clipped and 4 NON adipose clipped. See attached reports.

The seasonal (10/01/2016 to present) salvage totals of Steelhead at the federal facility are zero adipose clipped and 8 NON adipose clipped. See attached reports.

LONGFIN SMELT

No Longfin Smelt were salvaged at either facility for the period of reporting.

The seasonal (10/01/2016 to present) salvage total of Longfin Smelt at the state facility is 2. See attached report.

No Longfin Smelt have been salvaged at the federal facility for the 2016-2017 water year.

DELTA SMELT

Delta Smelt were salvaged at the federal facility (weekly salvage= 4), but not at the state facility for the period of reporting. This is the first Delta Smelt salvaged for the 2016-2017 water year.

The seasonal (10/01/2016 to present) salvage total of Delta Smelt at the federal facility is 4. See attached report.

No Delta Smelt have been salvaged at the state facility for the 2016-2017 water year.

SPLITTAIL

Splittail were salvaged at the federal (weekly salvage= 4) and state (weekly salvage= 501) facilities for the period of reporting.

The seasonal (10/01/2016 to present) salvage total of Splittail at the state facility is 649. See attached report.

The seasonal (10/01/2016 to present) salvage total of Splittail at the federal facility is 8. See attached report.

WHITE STURGEON

No White Sturgeon were salvaged at either facility for the period of reporting.

The seasonal (10/01/2016 to present) salvage total of White Sturgeon at the federal facility is 4. See attached report.

The seasonal (10/01/2016 to present) salvage total of White Sturgeon at the state facility is 2. See attached report.

No Green Sturgeon have been salvaged at either facility for the 2016-2017 water year.

Smelt Monitoring

SPKT#1 was in field from 1/9-1/13/17. They have sampled 18 Delta Smelt, 2 Longfin Smelt in this trawl. Additional sampling done and 3 longfin smelt were observed in San Pablo Bay. SLS# 2 is currently in field and will go through 1/20/17.

Smelt Working Group

Leigh Bartoo(FWS) provided the following update via DAT reflector.:

There was no SWG meeting Monday, as the Projects remain in the temporary offramp of the Action 2 OMR prescriptions.

Working Group meeting notes can be found at:

http://www.fws.gov/sfbaydelta/cvp-swp/smelt_working_group.cfm

Delta Operations for Salmonids and Sturgeon (DOSS) Working Group Update provided by Barb Byrne via the DAT reflector (NMFS):

Highlights from 1/17/17 DOSS meeting:

DOSS Advice:

- None

RPA Implementation

- **Action IV.1.2 (DCC operations):**
 - The DCC was closed on the morning of 12/1/16.
 - From December 1 to January 31, the gates will remain closed, with limited exceptions.
- **Action IV.2.3 (OMR Management)**
 - Implementation of this action in WY 2017 began 1/1/17, and requires that Old and Middle River (OMR) flow be no more negative than -5,000 cfs.
 - Since the action went into effect on 1/1/17, no salvage-based triggers that would require more positive OMR levels have been exceeded.

Hatchery releases

- On January 17-20, 72,000 brood year 2016 steelhead from the Feather River Hatchery will be released into the Feather River at Boyd's Pump. Fish will be 100% marked with a clipped adipose fin (no CWT).

Fish Monitoring: Salvage

- Unclipped juvenile salmon (none in the winter-run or spring-run size ranges) were salvaged over past week; no wild or clipped steelhead were salvaged.
 - These unclipped juveniles didn't exceed any loss-density triggers in IV.2.3
 - A substantial increase in salvage of fall-run-sized Chinook was observed
- Ad-clipped late-fall run salmon from the recent CNFH releases showed up in salvage over the past week
 - Loss of individuals from the spring-run surrogate release groups didn't exceed any loss-density triggers in IV.2.3
- A few large (likely 2-year old) salmon observed in salvage over past week.

Fish Monitoring: RSTs, trawls, seines:

- Continued catch of wild WR-sized, SR-sized, and FR-sized Chinook in monitoring over past week, as well as ad-clipped late-fall run (from the recent Coleman releases).
- Flows and turbidities very high -- average turbidity over the past week at Knights Landing, for example, was 262 NTU!
- EDSM salmonid catch: For the 1/11-1/12 sampling period, 2 fall-run-sized Chinook were caught, both near Prisoners Point on the San Joaquin River
- For the first time in WY 2017, salmonids (all fall-run sized Chinook) were caught in the Mossdale trawl (indicating outmigration of juvenile salmonids from the San Joaquin basin)

DOSS estimates of fish distribution:

Location	Yet to Enter Delta (Upstream of Knights Landing)	In the Delta	Exited the Delta (Past Chipps Island)
<i>Wild young-of-year (YOY) winter-run Chinook salmon</i>	5-10 (Last week: 5% - 15%)	80-90 (Last week: 80% - 90%)	5-10 (Last week: 0-5%)
<i>Wild young-of-year (YOY) spring-run Chinook salmon</i>	25-50 (Last week: 35% - 50%)	50-70 (Last week: 50% - 60%)	5-10 (Last week: 0-5%)

DOSS estimates of Entrainment Risk (more details in the DOSS notes):

- **Interior Delta Entrainment Risk for listed salmonids in the Sacramento River over the next week:**
 - Overall Entrainment Risk: MEDIUM
- **CVP/SWP Facilities Entrainment Risk for listed salmonids in the Interior Delta over the next week:**
 - Overall Entrainment Risk:
 - OMR -2,500 cfs: LOW
 - OMR -3,500 cfs: LOW-MEDIUM (given current hydrology and high Vernalis flow)
 - OMR -5,000 cfs: MEDIUM-HIGH (given current hydrology and high Vernalis flow)
 - OMR -6,250 cfs (*assessment of this OMR level requested by management*): incrementally higher within MEDIUM-HIGH (given current hydrology and high Vernalis flow)

WY 2017 DOSS notes: http://www.westcoast.fisheries.noaa.gov/central_valley/water_operations/ocapwy2017.html

All things DOSS: http://www.westcoast.fisheries.noaa.gov/central_valley/water_operations/doss.html

Operations update provided by Norman Lee(DWR):

Preliminary Summary for 1/18/2017			
SWP		CVP	
Clifton Court Inflow (cfs)	10,300	Jones Pumping Plant (cfs)	4,100
SWP San Luis Reservoir Share (TAF) as of Midnight	919	CVP San Luis Reservoir Share (TAF) as of Midnight	578
San Luis Reservoir Total (TAF) as of Midnight	1,497	American – Nimbus Reservoir Releases (cfs)	30,000
Feather – Oroville Reservoir Releases (cfs)	15,000	Sacramento – Keswick Reservoir Releases (cfs)	30,000
		Stanislaus-Goodwin Reservoir Releases (cfs)	200
DELTA OPERATIONS			
Outflow (cfs)	151,000	Delta Cross Channel (DCC) Gates	Closed
Total Delta Inflow (cfs)	10,300	1 day OMR average (cfs)	-4,947
X2 (km)	56	5 day OMR average (cfs)	
Export/Inflow (%)	8.1(14-day average)	14 day OMR average (cfs)	

Controlling factor(s): OMR - 5000

<http://www.water.ca.gov/swp/operationscontrol/docs/delta/deltaops.pdf>.

Next Conference Call:

NO DAT conference call next Thursday as CalFED Ops is scheduled on January 25, 2017. I will provide meeting details to the DAT members.

Final DAT notes can be viewed at

<http://www.water.ca.gov/swp/operationscontrol/calfed/calfeddat.cfm>